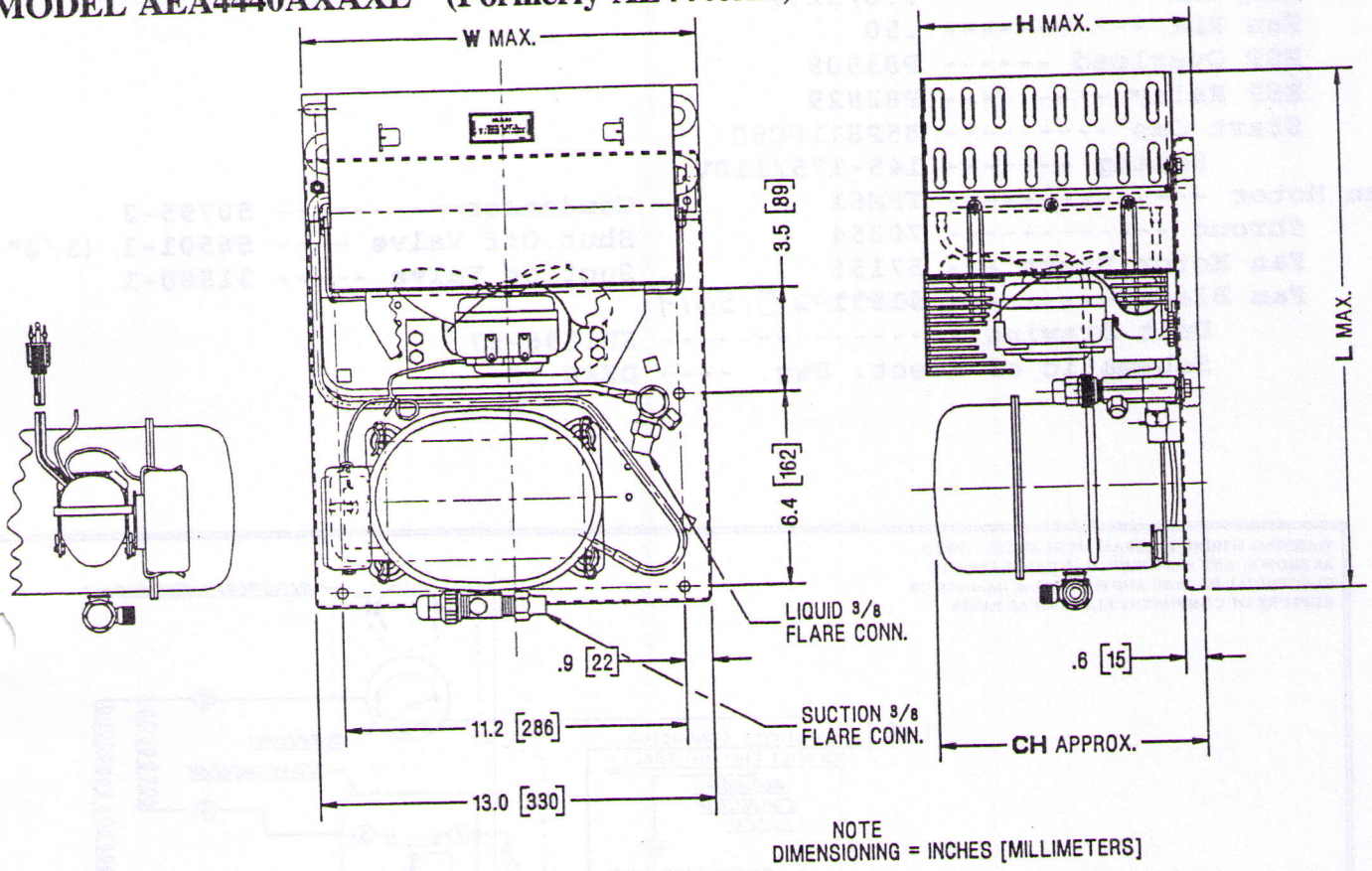
# TECUMSEH HERMETIC CONDENSING UNITS

Date: April 1, 1997

## MODEL AEA4440AXAXL (Formerly AE4440AL) R-12 1/3 HP AIR COOLED




NOTE
DIMENSIONING = INCHES [MILLIMETERS]

| Model | Dimensions | | | | *Line Connection | | Pumpdown 90 ° F 90% Full | Air CFM | Oil Chg oz. | Gr. Wt. Lbs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | L | W | H | CH | Suct. | Liq. | | | | |
| AEA4440AXAXL | 17.7 | 13.0 | 9.0 | 8.9 | 3/8 F | 3/8 F | — | 260 | 10 | 46 |

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED** **60 HZ Performance**

| Approved Evap. Range | | Ambient | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 90° F | | | 100° F | | | 110° F | | |
| °F | PSIG | BTUH | Watts | Head | BTUH | Watts | Head | BTUH | Watts | Head |
| +20 | 21.0 | 2540 | 530 | 148 | 2330 | 535 | 170 | 2120 | 542 | 195 |
| 30 | 28.4 | 3020 | 560 | 158 | 2800 | 565 | 181 | 2570 | 570 | 208 |
| 35 | 32.6 | 3270 | 594 | 162 | 3030 | 600 | 189 | 2800 | 605 | 214 |
| 40 | 37.0 | 3530 | 640 | 170 | 3280 | 645 | 196 | 3050 | 652 | 221 |
| 45 | 41.7 | 3790 | 690 | 178 | 3540 | 700 | 204 | 3290 | 708 | 230 |
| 50 | 46.7 | 4050 | 800 | 185 | 3800 | 810 | 212 | 3540 | 820 | 240 |

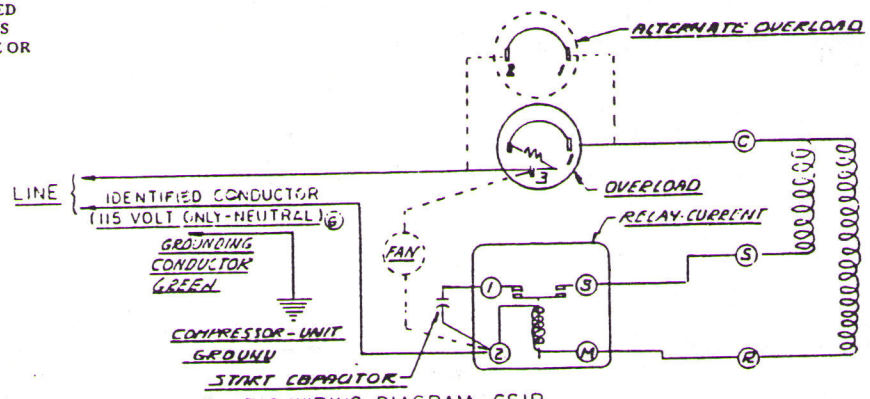
65 ° F return gas temp., 5 ° F subcooling

Date: 4-1-97

| SPECIFICATIONS | AEA4440AXAXL |
|---|---|
| Nominal Voltage | 115-60-1 |
| Unit B/M | 2C311-9 |
| Voltage Range | 126.5 to 103.5 |
| Min. Circuit Ampacity | 8.9 |
| Max. Fuse Size (Amps) | 15 |
| Compressor Model | AEA4440AXA |
| Bill of Material | AE234AL-668 |
| RLA/LRA | 6.8/32.7 |
| Fan RLA | .50 |
| ESP Overload | P83509 |
| ESP Relay | P82929 |
| Start Cap | 85PS110C90 |
| Rating | 145-175/110V |
| Fan Motor | TFM61 |
| Shroud | 70854 |
| Fan Motor Brckt | 57156 |
| Fan Blade | ~~51531-2~~ 51561 |
| Unit Drawing | SU1896-57 |
| Schematic or Elect. Dwg. | DEAE-10 |

| | |
|---|---|
| Condenser | 50795-2 |
| Shut Off Valve | 56501-1 (3/8") |
| Suction Valve | 31580-1 |

WARNING-WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.




115 OR 230 VOLT SCHEMATIC WIRING DIAGRAM-CSIR

1. WHEN FAN IS USED HOOK UP AS SHOWN.
2. IDENTIFIED CONDUCTOR-MAY BE WHITE OR RIBBED (115 VOLT ONLY-NEUTRAL).
3. ASSEMBLE PARTS AS SHOWN IF SPECIFIED ON B/M.

DEAE-10

U.L. Listed -----(60 HZ only)----File #SA2372 ----------Card Guide #SGYU
CSA Certified ----------Canadian File #12964C ----------USA File #8873C